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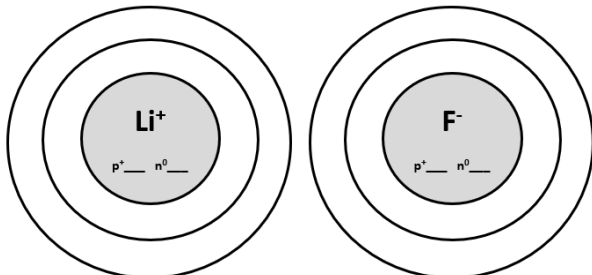
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Ionic Compounds Worksheet

1) Warm-up drawing practice: Use a **Bohr or Lewis model** to show the following ionic electron transfers when bonding:

Lithium and Fluorine



Beryllium and Oxygen

Potassium and Chlorine

Magnesium and Sulfur

Sodium and Oxygen

Challenge: Magnesium and Nitrogen

2) Write the formulas of the following ionic compounds. (Remember, the **metal** is always first!)

Ions	Formula	Ions	Formula
Li⁺¹ and F⁻¹		Na⁺¹ and F⁻¹	
Ba⁺² and O⁻²		Mg⁺² and S⁻²	
Mg⁺² and Br⁻¹		Ca⁺² and Cl⁻¹	
Rb⁺¹ and O⁻²		Sc⁺³ and Cl⁻¹	
Lu⁺³ and S⁻²		Ca⁺² and P⁻³	
Zr⁺⁴ and P⁻³		S⁻² and Cs⁺¹	

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3) Write the formulas of the following ionic compounds:

Element	Formula	Element	Formula
Potassium and Chlorine		Strontium and Nitrogen	
Silver and Sulfur		Zinc and Selenium	
Beryllium and Sulfur		Rubidium and Oxygen	
Lithium and Nitrogen		Radium and Iodine	

4) Write the names of the following chemical formulas for Ionic Compounds:

Formula	Name	Formula	Name
KF		CsI	
NaBr		AlF ₃	
Cd ₃ N ₂		Rb ₂ O	
RaBr ₂		YP	

5) Complete the following table:

Elements	Compound Name	Formula
		RbI
Bromine and Potassium		
	Barium Chloride	
		Cs ₂ O
Strontium and Selenium		
		BeF ₂
	Hafnium Sulfide	
Oxygen and Yttrium		
Phosphorus and Gadolinium		
	Zirconium Nitride	